

JATIN PATIL

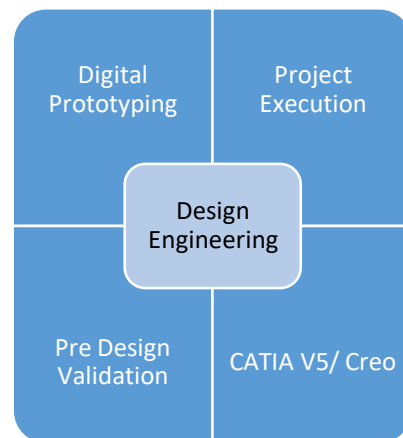
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Address: House No 1191, At Post Khupari, Near Murli Manohar Hotel, Wada-Bhiwandi Road, Tal – Wada – Dist - Palghar (421312), Maharashtra, India

PROJECT ENGINEERING/ MECHANICAL ENGINEERING/ DESIGN ENGINEERING

PROFESSIONAL SUMMARY

- A result oriented professional with **around 3 years** of experience in Design Engineering.
- Proficiency in Creo Parametric in Rubber Product Design and Development, Part Modeling, Assembly, Drawing and Sheet Metal Product Development in Rubber and Plastic.
- Expertise in handling product drawings, dimensional inspection reports, process parameter, process capability & functional testing reports.
- Gained in-depth knowledge of molding processes and defects in Rubber and Plastic Products.
- Skilled in understanding overall operations for new products or improvement of existing products with thrust on reducing product cost.
- Knowledge of Master Sections and designing the features for location and fixation.
- Possess skills including recognizing the strengths and weaknesses in others as well as oneself and willingness to perform additional activities.



KEY DELIVERABLES

- Developing CAD drawings, layout and various other exterior and interior designs.
- Calculating all dimensions of area and then preparing & formulating the drawings and layout accordingly.
- Developing design proposals for clients and informing clients about all project specifications.
- Performing regular inspections on product designs and recording all observations.
- Coordinating with other team members and ensuring that all deadlines were met.
- Ensuring projects were completed within budget along with evaluating all work orders and project plans.
- Coordinating with various departments and gathered information on all materials.
- Ensuring that all production materials were available and communicating to the procurement department when needed.
- Checking all drawings and ensured that all designs were followed and all corrective measures were taken in case of discrepancies.
- Managing end-to-end project operations involving finalization of technical specifications, manpower planning; implementing cost saving measures to achieve reduction in terms of man days and expenses.
- Preparing daily work flow reports along with identifying all problems and resolving them.

CAREER CONTOUR

Since Nov 2019 with Sujan Industries, Vasai, Mumbai as Junior Design Engineer

Accountabilities

- Designing Rubber, Metal to Rubber Bonded and Casting Products as per customer's requirement.
- Ensuring product design, analyzing, CAE and then Actual Part Design, Development and Manufacturing.
- Simplified Complex Manufacturing Processes & enhanced the Productivity for various existing parts.
- Developed over 20 products for HAL, HVF, Indian Railways, New York Railways, Honda, AVTEC and BEML.
- Filling the feasibility of the product as per customer requirement.
- Testing new product as per customer requirement.
- Performing is PPAP Documentation for IATF Audit.

Oct 2018 – Oct 2019 with Sujan Industries, Vasai, Mumbai as GET (Graduate Engineer Trainee)

Accountabilities

- Filed feasibility of the parts and submitted to the sales department for costing.
- Prepared SPC, MSA and Layout Inspection Report along with preparing PPAP (Production Plan Approval Process) and QAP (Quality Assurance Plan).
- Calculated and analysed daily rejection and found the top five rejections and root cause of the problem using 7 QC tools.
- Prepared customer quality audit documentation (Railway & Defence) and monitored the calibration records of the Instruments.
- Carried out layout Inspection and SPC & MSA as per the planner.
- Conducted in-process Quality Assurance and QAP documentation.

ACADEMIC CREDENTIALS

2018	Diploma in HVAC and Fire Fighting Designing, REVIT MEP from SMEC Lab
2018	B.E (Mechanical Engineering) from Vidyavardhini's College of Engineering & Technology, Vasai, Mumbai University with 7.76 CGPI
2015	Diploma in Mechanical Engineering from St. John Polytechnic, Palghar, Maharashtra State Board of Technical Education with 81.12%

TECHNICAL SKILLS

AutoCAD, Solidworks, Catia V5, Creo and Ansys

CERTIFICATIONS

- ☞ Solidworks Certificate by Dassault Systemes at the level of Associate.
- ☞ CATIA V5 Certificate by Borgward Tech Pune

ACADEMIC PROJECTS UNDERTAKEN

Project:	Design and Development of Automobile Radiator and CFD Analysis
Project Type:	Final Year Engineering Project
Contribution:	Designed and analyzed model.
Details:	If the Radiator design is optimized and analyzed, the results can be used to achieve more efficient cooling system. Compared results with experimental setup will prove that assumptions considered are correct.
Project:	Brake System for Ethan racing.
Project Type:	Formula student car for FSAE competition
Contribution:	Designed, analyzed and built up the entire Brake System.
Details:	Built a F1 type car in college that followed some strict rules which are set to limit power of vehicle. A well-designed brake ensures all four wheels lock at a same time.
Project:	Multi-Directional Dumping System
Project Type:	Final Year Diploma Project
Contribution:	Designed a mechanical system and compiled it with control system.
Conviction:	Normal dumping trucks dump the material from a single side. We designed the truck which could dump the material in all directions (270o). This would save time and fuel.

ACCOLADES

- ☞ Actively participated in Formula Bharat 2018.
- ☞ Bagged second prize in Dipex-2015 State Level Project Competition at NASHIK approved by DTE.

PERSONAL DOSSIER

Date of Birth:	5 th June1996
Permanent Address:	House No 1191, At Post Khupari, Near Murli Manohar Hotel, Wada-Bhiwandi Road, Tal – Wada – Dist - Palghar (421312), Maharashtra, India
Languages Known:	English, Hindi and Marathi
Passport No.:	R412461 (Valid till: 13-09-2027)
License No.:	MH48 20140027627 (Valid till: 12-11-2034)